

JUN 06 1984

EPA Region 5 Records Ctr.



354496

16-0245

COOK COUNTY

3012

IL-245-09

Not RCRA

STATE OF ILLINOIS



03104520

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

IDENTIFICATION

01 STATE 02 SITE NUMBER
IL 005246590

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Hall Aluminum Company		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 1751 State Street			
03 CITY CHICAGO HEIGHTS	04 STATE IL	05 ZIP CODE 60411	06 COUNTY COOK	07 COUNTY CODE 031	08 CONG DIST 4
09 COORDINATES LATITUDE 41 30 5		LONGITUDE 87 37 5		topographic map - 7.5 min. series - Calumet City quad	
10 DIRECTIONS TO SITE (Starting from nearest public road) 394 S to Rt 30W to State St. S to site					

III. RESPONSIBLE PARTIES

01 OWNER (if known) Hall Aluminum		02 STREET (Business, mailing, residential) 1751 State St			
03 CITY Chicago Heights	04 STATE IL	05 ZIP CODE 60411	06 TELEPHONE NUMBER 312 757-7350		
07 OPERATOR (if known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY		10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()	
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR <input checked="" type="checkbox"/> C. NONE					
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IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 3 29 84 MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR _____ ENDING YEAR _____ <input checked="" type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED heavy metals (toxic, persistent) bases (corrosive)					
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05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION groundwater (pop + enviro) surface water (pop + enviro)					
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V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input checked="" type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
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VI. INFORMATION AVAILABLE FROM

01 CONTACT Bonnie Eledew		02 OF (Agency/Organization) IEPA		03 TELEPHONE NUMBER 312 345 9780	
04 PERSON RESPONSIBLE FOR ASSESSMENT Bonnie Eledew		05 AGENCY IEPA	06 ORGANIZATION	07 TELEPHONE NUMBER 312 345 9780	08 DATE 4 24 84 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE ILD 02 SITE NUMBER 005246590

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED ~41,000 04 NARRATIVE DESCRIPTION discharge of wastewater (chlorination scrubber water) through drainage ditch to settling pond - pond has overflowed off-site - also, run-off from dross stockpiles - may contain heavy metal

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☒ OBSERVED (DATE 4-91 through _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED ~41,000 04 NARRATIVE DESCRIPTION present
see above

01 ☒ C. CONTAMINATION OF AIR 02 ☒ OBSERVED (DATE 3-54 _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION heavy black smoke emitted on this date whitish emission this date due to improperly functioning baghouse

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

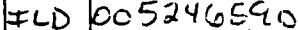
01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED unknown (Acres) 04 NARRATIVE DESCRIPTION contamination of soil possible - as result of runoff from dross stockpiles

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED ~41,000 04 NARRATIVE DESCRIPTION City of Chgo. gets water supply from groundwater - see A above

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION



I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL 005246590

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

see "A"

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: ~41,000

IV. COMMENTS

sample results of wastewater indicated
pH \approx 6.7 \Rightarrow hazardous waste

V. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis reports)

IEPA file



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

COOK COUNTY
GENERAL 3012 MEMORANDUM

TO: Division File DATE: 4-26-84

FROM: B. Eleder ☒ Information only

SUBJECT: ILD005246590 ~~103100000~~ Cook County Chicago Heights/Hall ☐ Response requested
Aluminum 03104520

A preliminary assessment was completed for this facility on this date. A brief history of the facility is as follows: Hall Aluminum is in the business of reclaiming aluminum and zinc from scrap metal products. Ingots are poured from the reclaimed metals, which are cooled with water. This wastewater is discharged to an on-site drainage ditch, which they line with lime, in order to adjust the pH of the wastewater. The water drains to an on-site settling pond, which discharges to Third Creek. A sample of the wastewater at the point of discharge showed a high solids content and a pH approximately equal to 0.7. Also, large dross stockpiles sit on the site, which may contain lead and other heavy metals. They are not protected from precipitation. Runoff from these may contain heavy metals. The facility also emits to the air. A heavy black smoke was emitted on one date due to the inoperation of one of the baghouse blowers. Also, a whitish emission occurred as a result of an improperly operating baghouse.

A priority for inspection was given as "medium". This is because of the discharge of a hazardous waste (D002) off-site, ~~whx~~ plus the air emissions, and the possibility for contaminated runoff from the dross stockpiles.